

Serial No.: 10/568,544

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A method for examining colorectal cancer and colorectal adenoma comprising assaying the reactivity of an antibody to tissues, body fluid or feces of patients, or extracts thereof, wherein said antibody reacts ~~antibodies react~~ with such an antigen that is present in cells expressing HEC-GlcNAc6ST gene encoding GlcNAc-6-sulfotransferase and that is absent or almost absent in cells expressing GlcNAc6ST-1 or I-GlcNAc6ST gene.
2. (Original) The method of claim 1, wherein said antigen is present in cells transduced with HEC-GlcNAc6ST gene and is absent or almost absent in cells transduced with GlcNAc6ST-1 gene or I-GlcNAc6ST gene.
3. (Previously presented) The method of claim 1 or 2, wherein said antigen comprises the sugar residues expressed by the following formula:  
R1-Gal  $\beta$ 1-3/4(SO<sub>3</sub>-6) GlcNAc  $\beta$ 1-R2 where, R1 represents sugar residues added by other enzymes and is not limited in structure. Gal  $\beta$  represents  $\beta$  galactose, GlcNAc  $\beta$  represents  $\beta$  N-acetylglucosamine, Gal  $\beta$ 1-3/4 represents binding of 1 position of Gal  $\beta$  and 3 position and/or 4 position of GlcNAc  $\beta$ , (SO<sub>3</sub>-6) represents addition of a sulfate group to 6 position of GlcNAc  $\beta$ , R2 represents -3GalNAc  $\alpha$ , -3Gal  $\beta$  or -2Man $\alpha$  and binds to 1 position of GlcNAc  $\beta$ .
4. (Previously presented) The method of any one of claims 1 to 3, wherein said antibody is MECA-79 antibody (Pharmingen, catalog No. 09961D).
5. (Original) A method for examining colorectal cancer and colorectal adenoma comprising assaying the reactivity of MECA-79 antibody or its equivalent with tissues, body fluid, feces or extract thereof of test subjects.

6. (Original) The method of any one of claims 1 to 5 comprising reacting a labeled probe to said antibody and assaying the label qualitatively or quantitatively.

7. (Withdrawn) An examination reagent for colorectal cancer and colorectal adenoma comprising, as a major component, an antibody (including MECA-79 antibody) reacting specifically with an antigen carrying sugar residues, which is present in cells expressing HEC-GlcNAc6ST gene and is absent or almost absent in cells expressing GlcNAc6ST-1 or GlcNAc6ST gene.

8. (Withdrawn) An examination reagent for colorectal cancer and colorectal adenoma comprising, as a major component, an antibody (including MECA-79 antibody) reacting specifically with an antigen carrying sugar residues, which is present in cells transduced with HEC-GlcNAc6ST gene and is absent or almost absent in cells transduced with GlcNAc6ST-1 or GlcNAc6ST gene.

9. (Withdrawn) An examination reagent for colorectal cancer and colorectal adenoma comprising, as a major component, an antibody (including MECA-79 antibody) reacting specifically with an antigen carrying sugar residues, which are present in tissues, body fluid or feces of patients with colorectal cancer and colorectal adenoma and expressed by the following general formula:  
R1-Gal  $\beta$ 1-3/4 (SO<sub>3</sub>-6) GlcNAc  $\beta$ 1-R2 where, R1 represents sugar residues added by other enzymes and is not limited in structure. Gal  $\beta$  represents  $\beta$  galactose, GlcNAc  $\beta$  represents  $\beta$  N-acetylglucosamine, Gal  $\beta$ 1-3/4 represents binding of 1 position of Gal  $\beta$  and 3 position and/or 4 position of GlcNAc  $\beta$ , (SO<sub>3</sub>-6) represents addition of a sulfate group to 6 position of GlcNAc  $\beta$ , R2 represents -3GalNAc  $\alpha$ , -3Gal  $\beta$  or -2Mand and binds to 1 position of GlcNAc  $\beta$ .

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10. (Withdrawn) An examination reagent for colorectal cancer and colorectal adenoma comprising MECA-79 antibody as a major component.